MASTER

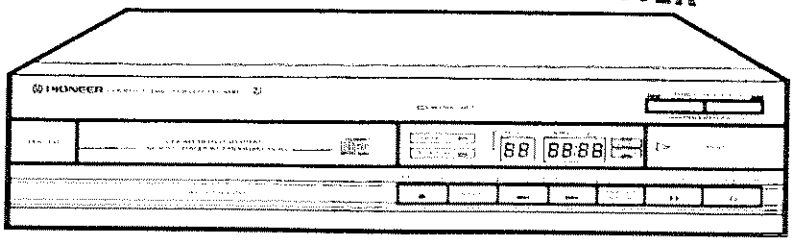
Operating Instructions
Bedienungsanleitung
Mode d'emploi
Istruzioni per l'uso

COMPACT DISC PLAYER
COMPACT-DISC-SPIELER
PLATINE DISQUE AUDIO NUMÉRIQUE
LETTORE DI "COMPACT DISC"

PD-X88

SPARE PARTS MASTER

COMPACT disc DIGITAL AUDIO



Thank you for buying this Pioneer product.
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.
In some countries or regions, the shape of the power-plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

IMPORTANT NOTICE

[For U.S. and Canadian models]

The serial number for this equipment is located on the rear panel. Please write this serial number on your enclosed warranty card and keep it in a secure area. This is for your security.

[For Canadian model]

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

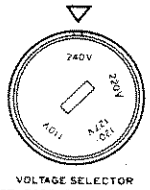
ATTENTION: POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

LINE VOLTAGE SELECTOR SWITCH

Only multi-voltage models are provided with this switch. U.S., Canadian, European, U.K., and Australian models are not provided with this switch.

The line voltage selector switch is located on the rear panel of this player. Before your player is shipped from the factory, the switch is set to the power requirements of the player's destination. Check that it is set properly before plugging the power cord into the outlet. If the voltage is not properly set or if you move to an area where the voltage requirements differ, adjust the selector switch as follows:

- Use a medium-sized (flat-blade) screwdriver. Insert the tip of the screwdriver into the groove of the selector switch and turn it so that the power voltage marking of your area points to the arrow.



VOLTAGE SELECTOR
SELECTEUR DE TENSION

"This product is manufactured to comply with the radio interference requirements of EEC Directive 76/889/EEC and 82/499/EEC."

PIONEER®
The future of sound and vision.

ENGLISH
DEUTSCH
FRANÇAIS
ITALIANO

SAFETY INSTRUCTIONS

READ INSTRUCTIONS — All the safety and operating instructions should be read before the appliance is operated.

RETAIN INSTRUCTIONS — The operating instructions should be retained for future reference.

HEED WARNING — All warnings on the appliance and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS — All operating and use instructions should be followed.

WATER AND MOISTURE — The appliance should not be used near water — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

LOCATION — The appliance should be installed in a stable location.

WALL OR CEILING MOUNTING — The appliance should not be mounted to a wall or ceiling.

VENTILATION — The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

HEAT — The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

POWER SOURCES — The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

POWER-CORD PROTECTION — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

POLARIZATION — If your purchased product is provided with a polarized power plug, please read the following instructions. This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

CLEANING — The appliance should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzine, insecticides or other volatile liquids since they may corrode the cabinet.

POWER LINES — An outdoor antenna should be located away from power lines.

NONUSE PERIODS — The power cord of the ap- pliance should be unplugged from the outlet when left unused for a long period of time.

OBJECT AND LIQUID ENTRY — Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

DAMAGE REQUIRING SERVICE — The appliance should be serviced by a Pioneer authorized service center or qualified service personnel when:

- The power-supply cord or the plug has been damaged; or
- Objects have fallen, or liquid has been spilled into the appliance; or
- The appliance has been exposed to rain; or
- The appliance does not appear to operate normally or exhibits a marked change in performance; or
- The appliance has been dropped; or the enclosure damaged.

SERVICING — The user should not attempt to service the appliance beyond that described in the operating instructions. For all other servicing, contact the nearest Pioneer authorized service center.

OUTDOOR ANTENNA GROUNDING — If an outside antenna is connected to the antenna terminal, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.
In the U.S.A. section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Fig. A.

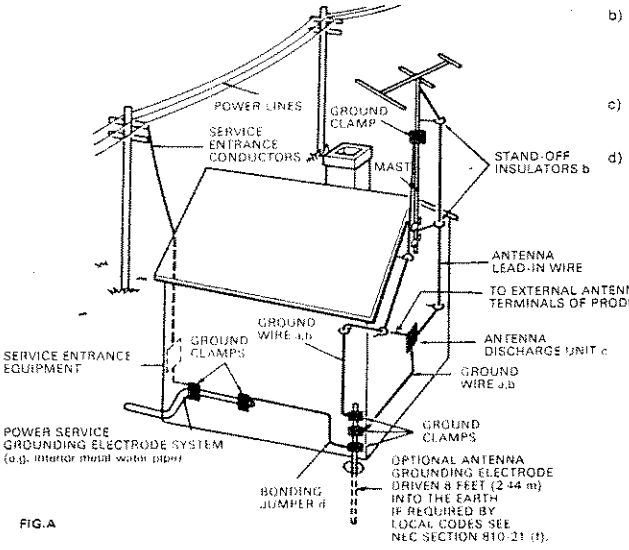

POWER LINES
GROUND CLAMP
SERVICE ENTRANCE CONDUCTORS
MAST
STAND-OFF INSULATORS b
ANTENNA LEAD-IN WIRE
TO EXTERNAL ANTENNA TERMINALS OF PRODUCT
GROUND WIRE a,b
GROUND CLAMPS
ANTENNA DISCHARGE UNIT c
SERVICE ENTRANCE EQUIPMENT
GROUND WIRE a,b
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (e.g. interior metal water pipe)
BONDING JUMPER d
OPTIONAL ANTENNA GROUNDING ELECTRODE DRIVEN 8 FEET (2.44 m) INTO THE EARTH IF REQUIRED BY LOCAL CODES SEE NEC SECTION 810-21 (f).

FIG.A

a) Use No. 10 AWG (5.3 mm^2) copper, No. 8 AWG (8.4 mm^2) aluminum, No. 17 AWG (1.0 mm^2) copperclad steel, bronze wire, or larger as ground wire.

b) Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4 feet (1.22 meters) to 6 feet (1.83 meters) apart.

c) Mount antenna discharge unit as closely as possible to where lead-in enters house.

d) Use jumper wire not smaller than No.6 AWG (13.3 mm^2) copper or equivalent when separate antenna-grounding electrode is used.

IMPORTANT 1

The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT 2

If the apparatus is fitted with AC mains power outlet(s), see REAR PANEL FACILITIES for convenient connection of additional Hi-Fi component(s). Make all connections to the AC outlet(s) and the signal terminals first. Connect the plug to the wall socket last, make sure that the power switch is off. Disconnect the wall plug when the equipment is not in (regular) use, e.g. when on vacation.

FOR USE IN THE UNITED KINGDOM

WARNING: This plug must only be connected to electronic apparatus equipped with suitable sockets.
If not, cut off the plug and fit an appropriate type in accordance with the instructions below.
The cut off plug must be disposed of as an electrical shock hazard could exist if connected to a socket outlet.

The wires in this mains lead are coloured in accordance with the following code:

Blue	Neutral
Brown	Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured marking identifying the terminals in your plug proceed as follows:
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

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[FOR EUROPEAN AND U.K. MODELS]

PIONEER COMPACT DISC PLAYER (PD-X88)
APPARATUS CONTAINS LASER OF HIGHER CLASS THAN 1.

The following caution label appear on your player.

Location: rear of the player

ENGLISH

[FOR U.S MODEL]

CAUTION

- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- The use of optical instruments with this product will increase eye hazard.

INFORMATION TO USER [FOR U.S. MODEL]

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- reorient the receiving antenna
- relocate this component with respect to the receiver
- move this component away from the receiver
- plug this component into a different outlet so that component and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:
"How to Identify and Resolve Radio-TV Interference Problems".
This booklet is available from the US Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00345-4.

The above instructions apply only to units which will be operated in the United States.

FEATURES

Has convenient function ideal for tape dubbing etc.

- **24 Step Random Programming**
  You can program the player to play a selection of tracks in any desired order.

Hi fidelity playback with high performance pickup and linear servo system.

Other features

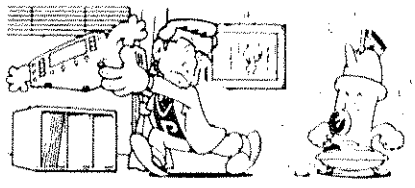
- **Repeat playing of all tracks or programmed tracks.**
- **Large LED display can be used to display the elapsed time or the total playing time.**
- **Three Speed Manual Search Function**
  During play operation, searching is possible at 20 times normal speed (during the first two seconds 5 times normal speed), and during pause mode at 60 times normal speed. Fast forward and fast backward are possible.

CAUTIONS REGARDING HANDLING

LOCATION

Install the player in a well ventilated location where it will not be exposed to high temperature or humidity.

Do not install the player in a location which is exposed to the direct rays of the sun, or near stoves or radiators. Excessive heat can adversely affect the cabinet and internal components. Also, installation of the player in a damp or dusty environment may result in malfunction or accident. (Also avoid installation near cookers etc., where the player may be exposed to smoke from oil, steam or heat.)

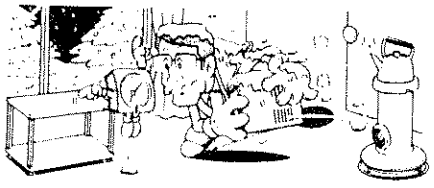


PRECAUTIONS REGARDING INSTALLATION

Install this compact disc player as far as possible from tuners and TV sets. Installing the compact disc player in close proximity to such equipment may cause noise or degradation of the picture. Such noise may be particularly noticeable when an indoor antenna is used. In such a case, use an outdoor antenna, or turn off power to the compact disc player.

CONDENSATION

When the player is brought into a warm room from previously cold surroundings or when the room temperature is suddenly increased, condensation may form inside and the player may not be able to attain its full performance. In cases like this, allow the unit to stand for about an hour or raise the room temperature gradually.

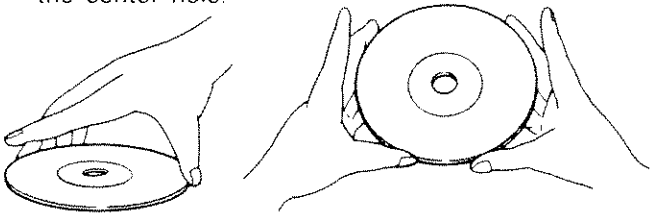


CARE OF DISCS

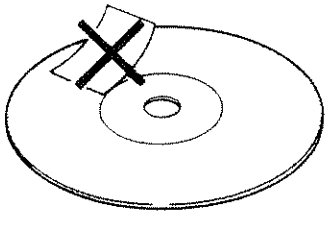
- With this player, use discs which display the mark shown below. (Optical audio digital discs.)

COMPACT disc DIGITAL AUDIO

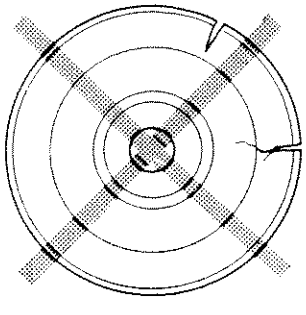
- When holding discs, do not touch their signal surfaces. Hold by the edges, or by one edge and the center hole.



- Do not affix gummed labels or tape to the label surfaces. Also, do not scratch or damage the label.

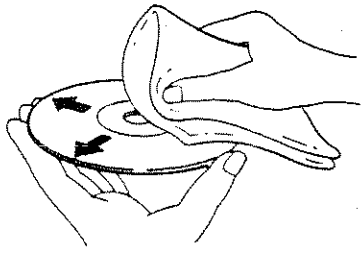


- Discs rotate at high speed inside the player. Do not use damaged (cracked or warped) discs.

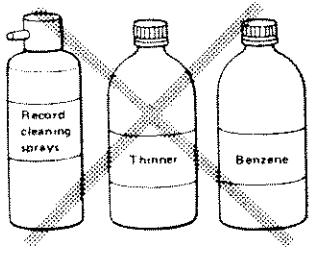


CLEANING DISCS

- The presence of fingerprints or smudges on the surface of the disc will not directly affect the recorded signals, but depending on the degree of contamination, the brightness of the light reflected from the signal surfaces may be reduced, causing degradation of sound quality.
  Always keep your discs clean by wiping them gently with a soft cloth from the inner edge toward the outer periphery.

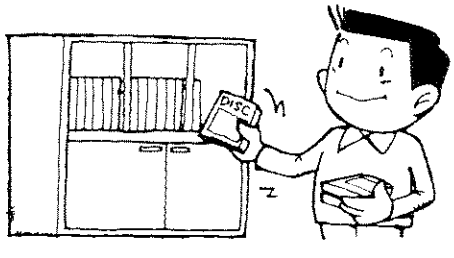


- If a disc becomes very dirty, dip a soft cloth in water and after wringing it out well, wipe the dirt away gently, and then remove any water drops with another soft dry cloth.
- Do not use record cleaning sprays of anti-static agents on discs. Also, never clean discs with benzene, thinner, or other volatile solvents, since damage to the disc surface may result.



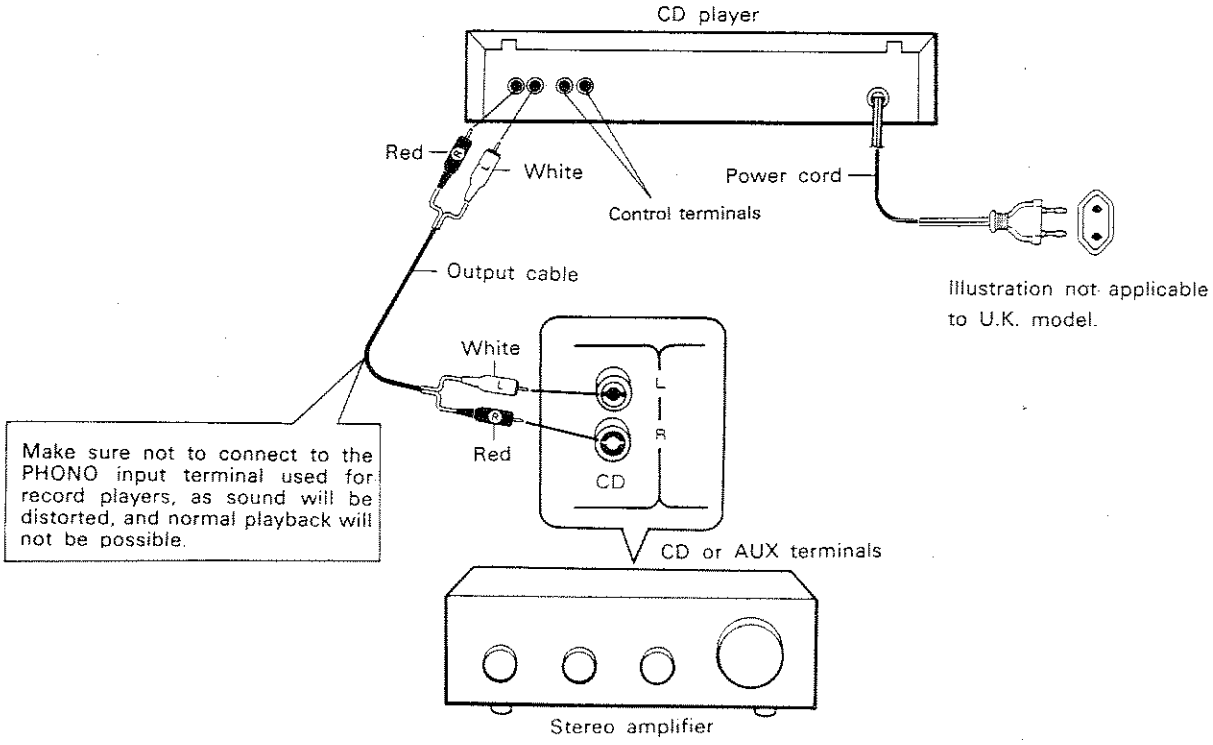
STORING DISCS

- Discs are made of the same kinds of plastic used for conventional analog audio records. Be careful not to allow discs to warp; always store discs in their cases vertically, avoiding locations with high heat or humidity, or extremely low temperatures. Avoid leaving discs in cars, since the seat of a car in direct sunlight can become very hot.
- Always read and abide by the precautionary notes provided with each disc.



ENGLISH

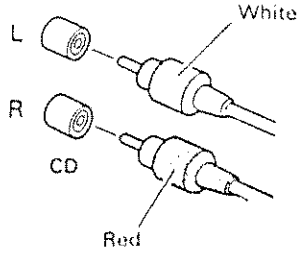
CONNECTIONS



Connecting the output cable

Connect the plugs of the cable to the input terminals of the amplifier (terminals marked CD or AUX), and to the output terminals of the compact disc player.

- Connect the white plugs to the left (L) terminals and the red plugs to the right (R) terminals.
- Make sure plugs are pushed fully into the terminals.



Connect the power cord

Insert the power cord plug into the auxiliary AC outlet of your amplifier unit, or into a household wall outlet.

Control Terminals

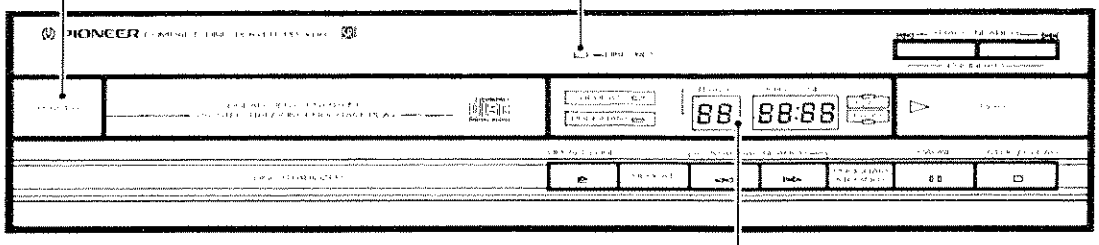
When using together with Pioneer products marked with the SR mark, make connections with the supplied control cord. When this feature is not used, connection is not necessary.

NAMES AND USE OF PARTS

FRONT PANEL

POWER switch
Press to turn power to the unit ON and OFF.
If there is a disc in the unit when power is turned ON, playback will begin automatically. (Timer start function)

DISC SET indicator
Lights when a disc which can be played back is set.

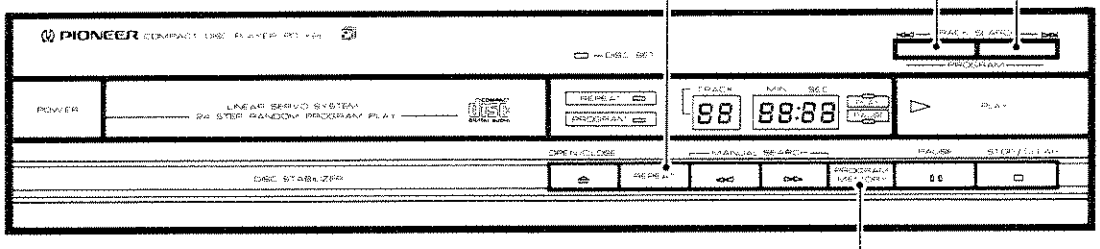


Indicators

REPEAT	: Lights during repeat play.	MIN	: Displays the playback time in minutes.
PROGRAM	: Lights after programming (after program has been memorized).	SEC	: Displays the playback time in seconds.
TRACK NO.	: Indicates current track number, and track numbers within program.	PLAY	: Lights during playback.
		PAUSE	: Lights during pause mode, when playback is temporarily interrupted.

REPEAT key
Press to perform repeat playback
- If pressed during normal playback mode, all tracks on the disc will be repeatedly played back.
- If pressed during programmed playback, the programmed tracks will be repeatedly played back in the programmed order.

TRACK SEARCH Keys
(Refer to 8 page)



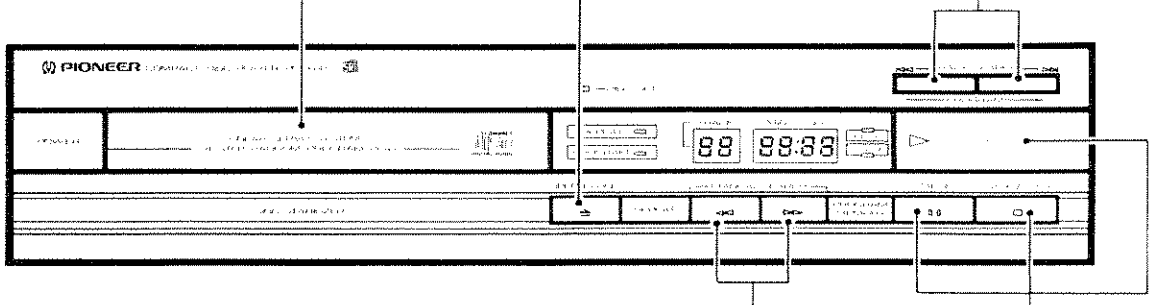
PROGRAM key (PROGRAM MEMORY)
Used to program a sequence of tracks.
- Press this key after selecting a desired track with the TRACK SEARCH keys. Tracks will be added to the program in the order in which they are selected.

ENGLISH

OPEN/CLOSE key
Press when you wish to eject or load a disc. Each time the key is pressed, the tray is alternately pushed out or pulled in.

Disc Tray
This is where the disc is set. When power is switched ON and the OPEN/CLOSE key is pressed, the tray is ejected forward.
To insert the tray, press the OPEN/CLOSE key, or lightly push the tray in with your finger. During play operation, pressing the PLAY key causes the tray to be inserted automatically.

TRACK SEARCH keys
When the player is in the normal play, programmed play or pause modes, these keys are pressed to search for a desired track. Pressing either key causes the player to advance to the next track, or return to the previous track.
[►►] : When pressed once, the disc playback advances to the beginning of the next track on the disc; when pressed continuously, the disc playback moves to the beginning of succeeding tracks on the disc. (During programmed playback, it moves to the beginning of the next programmed track.)
[◄◄] : When pressed once, the disc playback returns to the beginning of the currently playing track; when pressed continuously, the disc playback moves further in reverse to the beginning of previous tracks on the disc. (During programmed playback it returns to the beginning of the previously programmed track.)



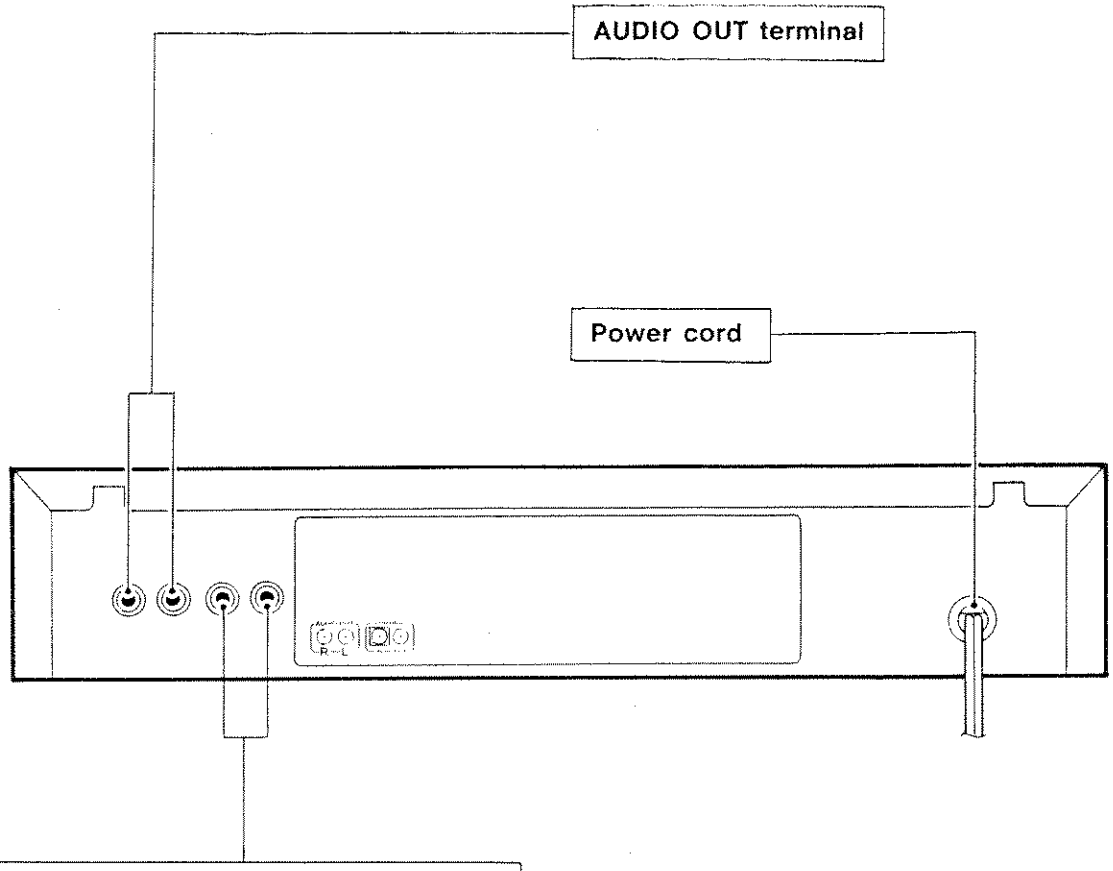
MANUAL SEARCH Keys
When the player is in play or pause modes, these keys are pressed to perform fast forward or fast backward operations, to allow manual searching. These operations are only carried out during the time either key is pressed. If pressed for more than 2 seconds, the speed increases.
[►►] : Fast forward operation (If fast forward operation is performed to the end of the disc " End" will be displayed and the player will enter pause mode.)
[◄◄] : Fast backward operation (If fast backward operation is performed to the beginning of the disc, the player will enter pause mode.)
If these operations are performed during programmed play mode, the player will enter pause mode just before transferring to the next (or previous) track.

STOP/CLEAR Key
Press to stop playback. When pressed, the player goes into stop mode and all operations stop.
Press to clear a program. When pressed during stop mode, the program stored in memory is cleared.

PAUSE key
Press to temporarily interrupt playback. When pressed again, the pause mode is cancelled and playback resumes.

PLAY key
Press to begin playback, and to cancel the pause mode.

REAR PANEL

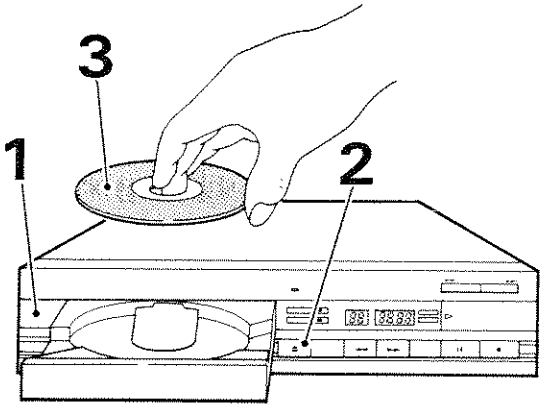


Control input terminal
This terminal is for inputting the remote control signals relayed from an amplifier or other component with a sensor for receiving control signals from a remote controller and carrying the Pioneer SR mark. Please connect to the control output terminal of the other component.

Control output terminal
This terminal is for further relaying remote control signals to other components carrying the Pioneer SR mark. Please connect to the control input terminal of the other component.

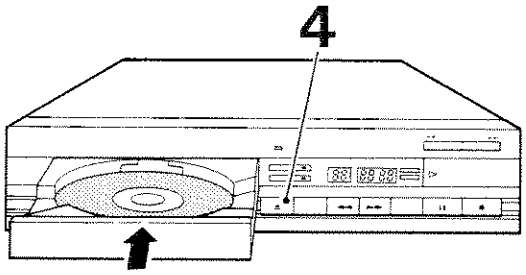
OPERATION

OPERATION PROCEDURES BEFORE PLAYBACK (Inserting a disc)



1. **Push in the POWER switch and switch ON power.**
2. **Press the OPEN/CLOSE key.**
   The disc tray will be ejected forward.
3. **Place a disc on the disc tray.**

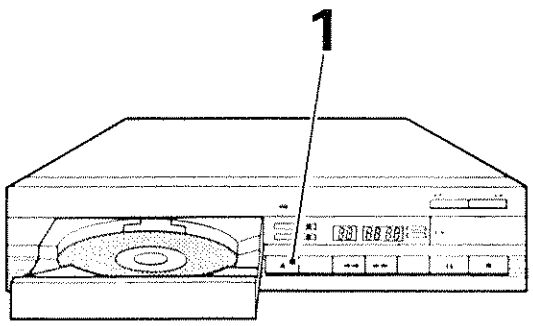
NOTE:
- *Make sure to place the disc on the tray with the label side upward.*
- *Hold the disc so that you do not touch the playing side (the iridescent side) with your hands or fingers.*

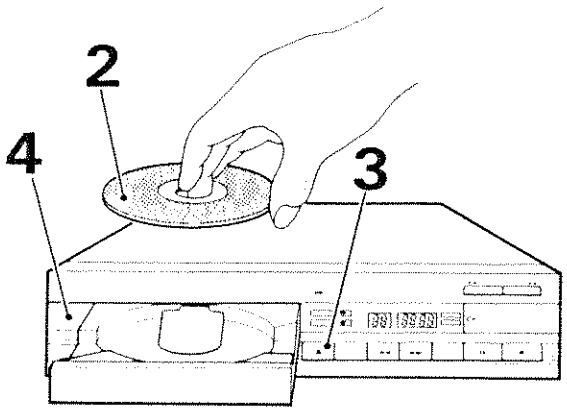


4. **Push the disc tray into the player.**
   Press the OPEN/CLOSE key, or gently push the disc tray in with your fingers.
   After insertion of the disc tray, the total number of tracks on the disc and the total playing time will be displayed.

5. **Set your stereo amplifier controls for compact disc playback.**
   (For details refer to the operating instructions of your stereo amplifier.)

PROCEDURES AFTER PLAYBACK (Removal of disc)

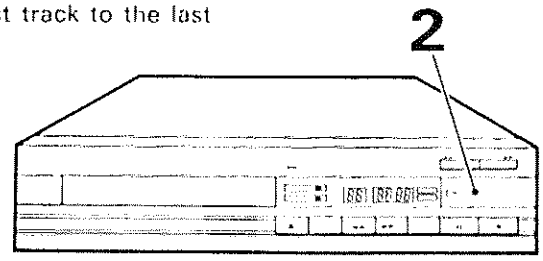




1. **Press the OPEN/CLOSE key and eject the disc tray.**
2. **Remove the disc and put it into its case.**
   Be careful not to touch the playing side.
3. **Press the OPEN/CLOSE key, or gently push the disc tray in with your fingers.**
4. **Press the POWER switch so as to turn OFF power.**

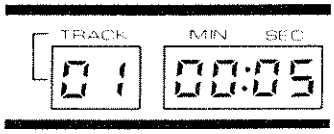
OPERATIONS FOR NORMAL PLAYBACK

Playback of all tracks, from the first track to the last track.



1. **Carry out "PROCEDURES BEFORE PLAYBACK", and set a disc.**
2. **Press the PLAY key.**
   The PLAY indicator will light, and playback will begin.

Shows the elapsed time of current playback, and the track number.

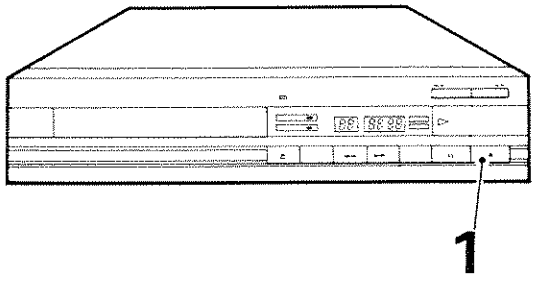


3. **Adjust sound volume and tone with the stereo amplifier controls.**
   When the last track finishes playing, the player enters stop mode. All operations stop and the player stops at the position of the first track number and displays "01".
4. **After finishing playback, carry out the "PROCEDURES AFTER PLAYBACK".**

Operation example

- To start playback
  POWER - OPEN CLOSE - Set disc - PLAY
- To stop playback
  OPEN CLOSE - Remove disc - OPEN CLOSE - POWER

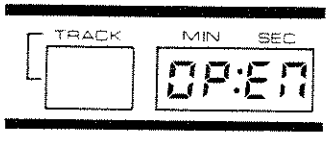
TO STOP PLAYBACK



STOP CLEAR or OPEN/CLOSE

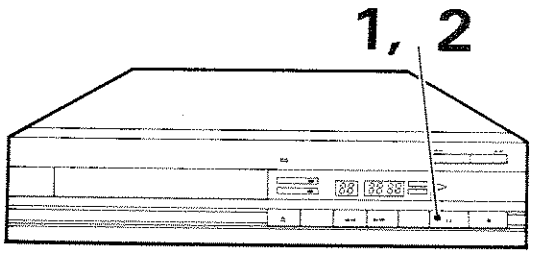
1. **Press the STOP/CLEAR key or the OPEN/CLOSE key.**
   - When the STOP/CLEAR key is pressed, the player enters stop mode. All operations stop, and the player is set to the position of the first track.

- When the OPEN/CLOSE key is pressed, the disc tray is ejected.



ENGLISH

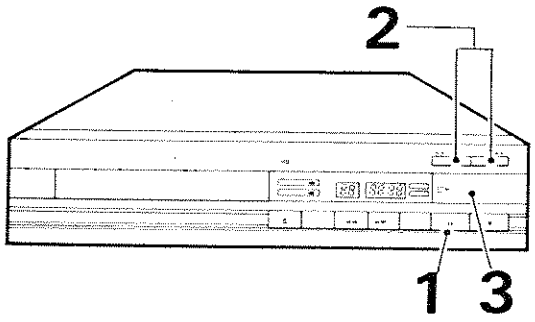
PAUSE OPERATION



1. **Press the PAUSE key**
   The PAUSE indicator will light, and the player will pause at the position at which it was playing.
2. **To resume playback, press the PAUSE key again, or the PLAY key.**

- To temporarily stop playback
  PAUSE
- To resume playback
  PAUSE or PLAY

TO PAUSE AT THE START OF A TRACK

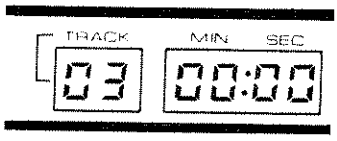


[During stop mode]
1. Press the PAUSE key.
2. Select a track with the TRACK SEARCH keys.
3. Press the PLAY key.

[During playback]
1. Press the PAUSE key.
2. Select a track with the TRACK SEARCH keys.

[To restart playback]
To start playback, press the PAUSE key or the PLAY key.

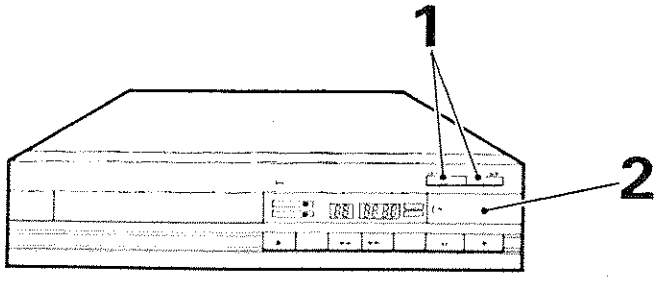
Operation example
- To pause at the start of the 3rd track:
  PAUSE → Select the 3rd track by pressing the ►►| or |◄◄ key → PLAY



- To start playback
  PAUSE or PLAY

TO START PLAYING BACK FROM A DESIRED TRACK (DIRECT TRACK SEARCH OPERATION)

Playback will begin from the track selected by specifying the track number, and will continue to the last track on the disc.



1. **When playback is not in progress, select the desired track number with the TRACK SEARCH keys.**
2. **Press the PLAY key to begin playback.**

NOTE:

- *When a track number of a track not on the disc is selected, playback starts from the first track.*
- *Playback from a selected track is not possible when memorizing a program.*

Operation example

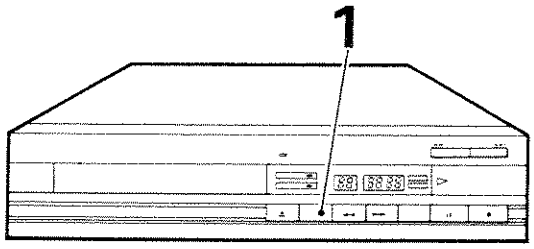
- To play back the 3rd track:
  Select the 3rd track by pressing the ⏭ or ⏮ key [PLAY]

ENGLISH

OPERATIONS FOR REPEAT PLAYBACK

■ During normal playback, all tracks on the disc will be played back repeatedly (all track repeat).

■ During programmed playback, the tracks programmed will be played back repeatedly in the order programmed (programmed repeat).



1. **With the player in the play or stop mode, press the REPEAT key.**

   The REPEAT indicator will light.

2. **When the last track has been played back, playback will begin again from the first track.**

   Playback will be repeated until repeat playback is cancelled.

REPEAT → PLAY or PLAY → REPEAT

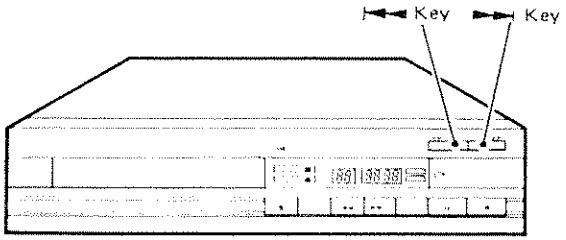
■ TO CANCEL THE REPEAT MODE

- Press the REPEAT key once again. The REPEAT indicator will go out, and the player will revert to the normal (or programmed) playback mode.
- Press the STOP/CLEAR key or OPEN/CLOSE key. Playback will stop and the repeat mode will be cancelled simultaneously.

REPEAT or STOP/CLEAR or OPEN/CLOSE

TO LOOK FOR A DESIRED TRACK (TRACK SEARCH OPERATIONS)

During normal or programmed play, or during the pause mode, these functions allow you to quickly find the beginning of a desired track. Also, any number of tracks can be skipped during the search process.

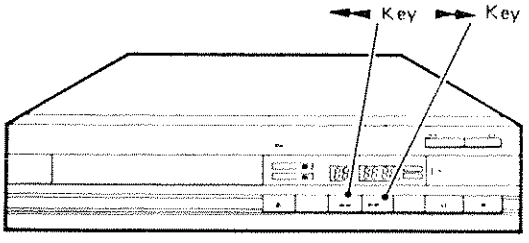


- When the [►►|] key is pressed once, the playback advances to the beginning of the next track. When pressed continuously, playback is advanced to further tracks. (During programmed play, playback advances to the beginning of the next programmed track.)
- When the [|◄◄] key is pressed once, playback returns to the beginning of the currently playing track; when pressed continuously, playback returns to earlier tracks on the disc. (During programmed playback, playback returns to earlier programmed tracks.)

During search operation, the number of the track being searched for will be displayed on the indicator. This allows you to monitor the progress of the search operation.

FAST FORWARD AND FAST BACKWARD (MANUAL SEARCH OPERATIONS)

During playback or pause modes, this function allows you to quickly advance or reverse through the disc to find a desired track. Listen to the sound from your speakers or headphones connected to your amplifier while performing the search (during playback mode only). When the key is released, the player returns to its original mode (playback or pause).



- When the [►►] key is pressed, the player will advance quickly through the disc. When held depressed, the speed will increase, and if the end of the disc is reached, the player will enter the pause mode. (The indicator will display "End".)
- When the [◄◄] key is pressed, the player will reverse quickly through the disc. When held depressed, the speed will increase, and if the beginning of the disc is reached, the player will enter the pause mode.

During search operation the elapsed time will be displayed. Watch this display during search operation.

Fast forward and fast backward speeds compared with normal playback speed.

- During playback:
  Within 2 seconds of pressing key
  — 5 x playback speed
  2 seconds or more after pressing key
  — 20 x playback speed
  (Sound produced)
- During pause mode
  — 60 x playback speed
  (No sound produced)

NOTE:

- *During programmed playback, the player can advance or reverse quickly only through the currently playing track. Also the player will enter the pause mode just before the next (or previous) track is reached. To resume playback, press the PLAY key.*
- *When the MANUAL SEARCH key is pressed more then once, playback may start again, or the player may advance to the next program step.*

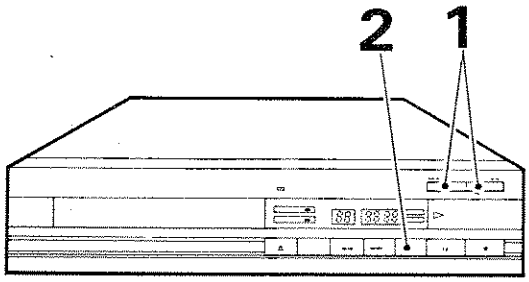
ENGLISH

TO PLAY BACK TRACKS IN A DESIRED ORDER (PROGRAMMED PLAYBACK)

■ With this function, you can play back the tracks on a disc in any desired order.

■ You can select track numbers from 1 to 99, and program a playback sequence consisting of up to 24 steps.

Memorizing a Program

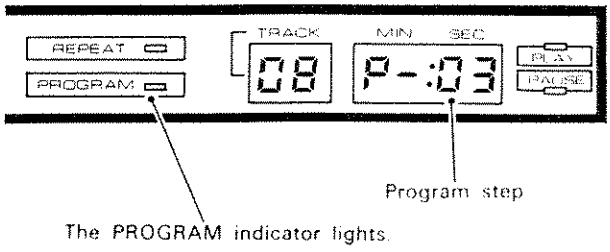


1. **During stop mode, select a track with the TRACK SEARCH keys.**
2. **Press the PROGRAM key**
3. **Repeat steps (1) and (2)**
   Repeat the above operations for each track you want to be memorized, in the order in which you want the tracks to be played. The player can play back a sequence of up to 24 steps.

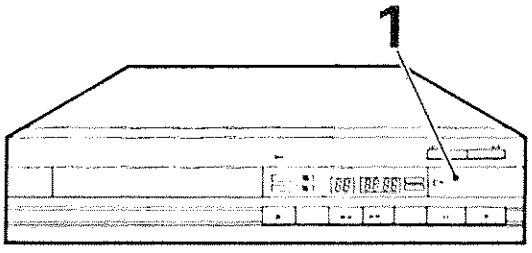
   Each time you program a track, the program step and number of the programmed track are displayed on the indicator.

Operation example
To playback track 5, track 3 and track 8:
● Write in the program

Step	Key operations	Indicator display
01	►► Press 4 times	05 :
	PROGRAM	05 P-:01
02	◄◄ Press 2 times	03 :
	PROGRAM	03 P-:02
03	►► Press 5 times	08 :
	PROGRAM	08 P-:03



Playback

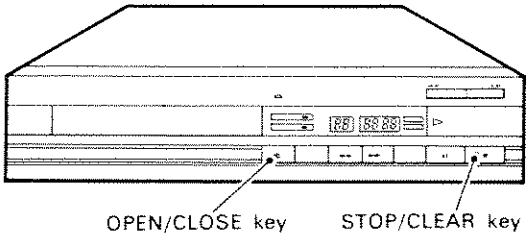


1. **Press the PLAY key to begin programmed playback.**
2. **Playback ends.**
   When the last programmed track finishes playing, the player enters stop mode. (All operations stop, and the player stops at the position of the first programmed track.)

■ When the repeat playback function is on:
When the last programmed track finishes playing, the player returns to the first programmed track, and repeats programmed playback.
Repeat playback will continue in this way until the REPEAT key is pressed once again, or the STOP/CLEAR key is pressed.

Operation example
● To start playback:
PLAY
(Plays 5th, 3rd and 8th programs in that order.)

Cancellation of programmed playback and clearing a program:



- Pressing the OPEN/CLOSE key will cause playback to stop and the program stored in memory will also be cleared.
- Pressing the STOP/CLEAR key will cause playback to stop. In this case the program stored in memory will not be cleared. To clear the program, press the STOP/CLEAR key once more.

● To stop playback
OPEN/CLOSE or STOP/CLEAR
● To clear a program
STOP/CLEAR - STOP/CLEAR
(Cancellation of playback) (Clearing a program)

TIMER START

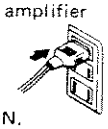
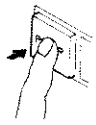
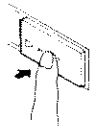
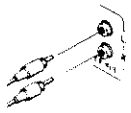
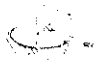
If a disc is set on the disc tray beforehand, then, when power is turned ON, the player will automatically start playing from track 1.
If use is made of an audio timer, the player can be made to start playing from a specified time.

NOTE:
- *When using an audio timer, leave the POWER switch of the player turned ON.*
- *If you operate the player by pressing any of the function keys before timer start, timer start will not occur.*

ENGLISH

TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used.
If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

Symptom	Probable cause	Remedy
Disc tray is not expelled when OPEN/CLOSE switch is pressed.	• Power plug is disconnected from outlet. • POWER switch is OFF.	• Connect plug to stereo amplifier or wall outlet.  • Press POWER switch ON. 
When playback is started, it stops immediately. **Pauses or stops playback**	• Disc is loaded upside down. • **Contaminated disc, etc.**	• Load the disc correctly with the label side UP. • **Press the PLAY or PAUSE key.**
No sound.	• Output cords are connected incorrectly or loosely. • Incorrect operation of stereo amplifier. • Player is in pause mode.	• Connect properly. • Check the settings of stereo amplifier switches and sound volume controls. • Press the PLAY key. 
Sound is distorted, noise is output.	• Incorrect connections. • Pin plugs or amplifier input terminals are dirty. • Interference is being picked up from a TV set.	• Connect to amplifier's CD or AUX terminals etc. Do not connect to PHONO input terminals.  • Clean away dirt. • Switch OFF TV set, or move player away from TV set.
With certain discs, loud noise is produced, or play stops.	• Disc is badly scratched or warped. • Disc is extremely dirty.	• Replace the disc. • Clean disc. 

SPECIFICATIONS

1. General

Type ..... Compact disc digital audio system
Usable discs ..... Compact Disc
Signal format ..... Sampling frequency: 44.1 kHz
Quantized bit number: 16 bit linear
Power requirements
European models ..... a.c. 220 Volts~, 50/60 Hz
U.K., Australian models ..... a.c. 240 Volts~, 50/60 Hz
U.S., Canadian models ..... AC 120 V, 60 Hz
Other models ..... AC 110/120 – 127/220/240 V (switchable), 50/60 Hz
Power consumption ..... 18 W
Operating temperature ..... +5°C - +35°C
Weight ..... 4 kg (8 lb 13 oz)
External dimensions ..... 360(W) x 315(D) x 75(H) mm
14-1/4 (W) x 12-7/8 (D) x 3-1/8 (H) in

2. Audio section

Frequency response ..... 4 Hz - 20 kHz (±1 dB)
S/N ..... 92 dB or more (EIAJ)
Dynamic range ..... 92 dB or more (EIAJ)
Channel separation ..... 85 dB or more (EIAJ)
Total harmonic distortion ..... 0.01 % or less (EIAJ)
Output voltage ..... 2.0 V ± 0.5 V (EIAJ)
Wow and flutter ..... Limit of measurement (± 0.001% W.PEAK) or less (EIAJ)
Number of channels ..... 2 channels (stereo)

3. Functions

- Play
- Pause
- Manual search
- Programmed playback
- Track search
- Programmed repeat
- Direct track search
- All track repeat
- Timer start

4. Accessories

- Output cable 1
- Control cord 1
- Operating instructions 1

NOTE:
Specifications and design subject to possible modification without notice, due to improvements.

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